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COUNTRY: USSR

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SUBJECT: Continued Soviet Research in Organo-phosphorous Compounds

DATE 2 JUL 53

Supplement to:

Responsive to:

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1. The Soviet articles of which the attachments are original texts of translated digests thereof are as follows: 50X1

- A. Reaction of Dialkyl Phosphorous Acids with Aldehydes and Ketones. IV. Butyl and Allyl Esters of α -hydroxyalkylphosphonic Acids by V.S.Abramov, R.V.Dmitrieva and A.S.Kapustina of the Kazan Chem. Tech. Institute, appearing in Zhur. Obshchei Khim. 23, 257-62 (1953).
- B. Synthesis and Properties of Vinylphosphonic Esters. I. Reaction of Phosphonosthyla-tion; addition of Dialkyl Phosphorous Acids, Ammonia and Amines to Ethyl Ester of Vinylphosphonic Acid by A.N. Pudovik and G.M. Denisova of the Kazan State University, appearing in Zhur. Obshchei Khim. 23, 263-7 (1953).
- C. II. Phosphonosthyla-tion Reaction; Addition of Malonic, Cyanoacetic, Acetoacetic Ester and Their Homologs to Vinylphosphonic Ester by A.N. Pudovik and O.N. Grishina of the Kazan State University, appearing in Zhur. Obshchei Khim. 23, 267-72 (1953).
- D. Theory of Tautomeric Equilibrium. 3. Pseudomerism. Structure and Properties of Dialkyl Thiophosphites by M.I. Kabachnik and T.A. Mastryukova, Izvest.Akad.Nauk S.S.S.R., Otdel. Khim, Nauk, 1953, No. 1, 163-76.
- E. Organophosphorus Compounds. Dialkyl Dithiophosphates by M.I. Kabachnik and T.A. Mastryukova, Izvest.Akad.Nauk S.S.S.R., Otdel. Khim. Nauk, No 1, 121-5 (1953).

2. The first three articles are merely repetitions of work which the authors published one or two years ago in brief form and contain more details of the experiments. Nothing

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significant nor even unexpected can be seen in any of them. The fourth article is a continuation of work reported at the end of 1952 and on which comments have already been made. The results described here are routine and would have been predicted by any competent chemist, consequently there is no special significance to be attached thereto. The fifth article is also not new. This is routine material and has appeared in many U. S. patents.

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